

Appl. No. 09/437,345
Amdt. Dated 08/20/2004
Reply to Advisory Action of 7/13/2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for storing a scrambled digital program comprising:
 - receiving the scrambled program;
 - receiving a plurality of access requirements, ~~wherein each access requirement can descramble the scrambled program delivered using a plurality of packet identifiers (PIDs);~~
 - selecting at least one of the access requirements by filtering a PID associated with said at least one access requirement from said plurality of PIDs;
 - storing the scrambled program ~~and with~~ the selected at least one access requirement.
2. (Currently Amended) The method of claim 1, wherein each access requirement of said plurality of access requirements is separately included in a unique packet identifier (PID).
3. (Currently Amended) The method of claim 1, when said selecting of said at least one of the access requirements comprises further comprising filtering the selected access requirement PID with a filtering function that receives the plurality of access requirements PIDs at an input and permits the selected access requirement associated with the PID to pass to an output.
4. (Currently Amended) The method of claim 3, wherein the output of the filtering function is delivered to an input of a digital storage medium being one of a digital video cassette recorder and a hard disk recording unit.
5. (Currently Amended) The method of claim 1, wherein ~~the access requirements are selected from the group comprising pay per view, pay per time, impulse pay per view, time based historical, pay per time, repurchase of copy never movies, and personal scrambling said at least one access requirement is associated with a specific geographic region.~~

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6. (Currently Amended) A copy management method for controlling the recording and reproduction of digital content comprising:

receiving a digital bitstream including program data, said program data including system information and said digital content in a scrambled format;

descrambling said digital content in a scrambled format to provide a first output including said digital content in a descrambled format, said descrambling being carried out in a first conditional access unit;

re-scrambling said digital content in a descrambled format to provide a second output including said digital content in a re-scrambled format, said re-scrambling being carried out in a second conditional access unit; and

outputting said first output including said digital content in a descrambled format and a second output including said digital content in a re-scrambled format;

~~receiving a plurality of access requirements, wherein each access requirement can descramble the program data;~~

~~selecting at least one of the access requirements;~~

~~storing the scrambled program data and the selected at least one access requirement.~~

7. (Original) The copy management method of claim 6, further comprising receiving and recording said digital content of said second output in a scrambled format.

8. (Original) The copy management method of claim 6, further comprising:
demultiplexing said digital content from said program data; and
decompressing said digital content in a descrambled format to a decompressed state.

9. (Currently Amended) The copy management method of claim 6, wherein said ~~decompressing is executed in an MPEG decoder~~ second conditional access unit is different than said first conditional access unit and implemented with a single digital receiver.

10. (Original) The copy management method of claim 6, wherein said digital content is content contained in digital television transmissions.

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11. (Original) The copy management method of claim 6, wherein said digital content is content downloaded from the Internet.

12. (Original) The copy management method of claim 6, wherein said descrambling and re-scrambling steps are carried out in a first conditional access unit.

13. (Currently Amended) The copy management system of claim 6 further comprising, wherein said descrambling step is carried out in a first conditional access unit, and said re-scrambling step is carried out in a second conditional access unit:
receiving a plurality of access requirements;
selecting at least one of the access requirements; and
storing the said scrambled program data along with the said selected at least one access requirement.

14. (Currently Amended) The copy management system of claim 6, wherein said descrambling step comprises:
extracting a descrambling key included in said program data; and
applying said descrambling key to said digital content in a scrambled format to provide said digital content in a descrambled format.

15. (Currently Amended) The copy management system of claim 6, wherein said descrambling of said digital content being conducted using a key is also used to re-scramble said digital content.

16-22. (Cancelled).

23. (Currently Amended) An apparatus for storing a scrambled digital program comprising:
a receiver to receive the scrambled program and to receive a plurality of access requirements delivered using a plurality of packet identifiers (PIDs), wherein each access requirement can descramble the scrambled program;

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a ~~selector-filter~~ to select a PID from said plurality of PIDs, said PID being associated with at least one access requirement of the plurality of access requirements; and

a memory to store the scrambled program and with the selected at least one access requirement.

24. (Currently Amended) The apparatus of claim 23, wherein said each access requirement is included in a packet identifier (PID) of the plurality of PIDs including said at least one access requirement stored with said scrambled program.

25. (Canceled).

26. (Currently Amended) The apparatus of claim 25, wherein the output of the filtering function is delivered to an input of a hard disk recording unit ~~digital storage medium~~.

27. (Currently Amended) The apparatus of claim 23, wherein the plurality of access requirements are selected from the group comprising pay per view, pay per time, impulse pay per view, time based historical, pay per time, repurchase of copy never movies, and personal scrambling.

28. (Currently Amended) A copy management system for controlling the recording and reproduction of digital content comprising:

means for receiving a digital bitstream including program data, said program data including system information and said digital content in a scrambled format;

means for descrambling said digital content in a scrambled format to provide a first output including said digital content in a descrambled format, said means for descrambling being deployed in a first conditional access unit;

means for re-scrambling said digital content in a descrambled format to provide a second output including said digital content in a re-scrambled format, said means for re-scrambling being deployed in a second conditional access unit; and

means for outputting said first output including said digital content in a descrambled format and a second output including said digital content in a re-scrambled format;

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~~means for receiving a plurality of access requirements, wherein each access requirement can descramble the program data program delivered using a plurality of packet identifiers (PIDs);~~
~~means for selecting at least one of the access requirements;~~
~~means for storing the scrambled program data and the selected at least one access requirement.~~

29. (Currently Amended) The copy management system of claim 28, further comprising means for receiving and recording said digital content of said second output in a scrambled format along with an access requirement associated with said digital content.

30. (Original) The copy management system of claim 28, further comprising:
demultiplexing said digital content from said program data; and
decompressing said digital content in a descrambled format to a decompressed state.

31. (Currently Amended) The copy management system of claim 28, wherein said first conditional access unit is different than said second conditional access unit and is implemented with a single digital receiver~~decompressing is executed in an MPEG decoder.~~

32. (Original) The copy management system of claim 28, wherein said digital content is content contained in digital television transmissions.

33. (Original) The copy management system of claim 28, wherein said digital content is content downloaded from the Internet.

34. (Cancelled).

35. (Cancelled).

36. (Currently Amended) The copy management system of claim 28, wherein said means for descrambling step comprises:
means for extracting a descrambling key included in said program data; and

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means for applying said descrambling key to said digital content in a scrambled format to provide said digital content in a descrambled format.

37. (Currently Amended) The copy management system of claim 28, wherein said descrambling is conducted using a key is also used to re-scramble said digital content.

38-44. (Cancelled).

45. (Currently Amended) A system for storing a scrambled digital program comprising:

means for receiving the scrambled program;

means for receiving a plurality of access requirements delivered using a plurality of packet identifiers (PIDs), ~~wherein each access requirement can descramble the scrambled program;~~

means for selecting at least one of the plurality of access requirements by filtering a PID associated with the at least one access requirement from the plurality of PIDs;

means for storing the scrambled program ~~and with~~ the selected at least one access requirement.

46. (Currently Amended) The system of claim 45, wherein each access requirement of the plurality of access requirements is included in a unique packet identifier (PID).

47. (Currently Amended) The system of claim 45, further comprising means for filtering the PID selected access requirement with a filtering function that receives the plurality of access PIDs requirements at an input and permits the selected access requirement associated with the PID to pass to an output.

48. (Currently Amended) The system of claim 47, wherein the output of the filtering function is delivered to an input of a digital storage medium being one of a digital video cassette recorder and a hard disk recording unit.

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49. (Currently Amended) The system of claim 45, wherein the at least one access requirement is associated with a specific geographic region~~access requirements are selected from the group comprising pay per view, pay per time, impulse pay per view, time based historical, pay per time, repurchase of copy never movies, and personal scrambling.~~

50. (Currently Amended) A computer readable medium containing instructions which, when executed by a processing system, cause the system to perform a method for storing a scrambled digital program comprising:

receiving the scrambled program;

receiving a plurality of access requirements delivered using a plurality of packet identifiers (PIDs)~~, wherein each access requirement can descramble the scrambled program;~~

selecting at least one of the access requirements by filtering a PID associated with the at least one access requirement from the plurality of PIDs;

storing the scrambled program and with the selected at least one access requirement.

51. (Currently Amended) The medium of claim 50, wherein each of the plurality of access requirements is included in a unique packet identifier (PID).

52. (Cancelled).

53. (Cancelled).

54. (Currently Amended) The medium of claim 50, wherein the at least one access requirements are selected from the group comprising pay per view, pay per time, impulse pay per view, time based historical, pay per time, repurchase of copy never movies, and personal scrambling is associated with a specific geographic region.

55-58. (Cancelled).